



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/671,953 β

DATE: 11/05/2002
TIME: 15:52:55

Input Set : A:\-991-2.app
Output Set: N:\CRF4\11052002\I671953.raw

3 <110> APPLICANT: Meares, Claude
4 Chmura, Albert
5 The Regents of the University of California
7 <120> TITLE OF INVENTION: Engineering Antibodies That Bind Irreversibly
9 <130> FILE REFERENCE: 023070-099120US
11 <140> CURRENT APPLICATION NUMBER: US 09/671,953
12 <141> CURRENT FILING DATE: 2000-09-27
14 <150> PRIOR APPLICATION NUMBER: US 60/156,194
15 <151> PRIOR FILING DATE: 1999-09-27
17 <150> PRIOR APPLICATION NUMBER: US 60/208,684
18 <151> PRIOR FILING DATE: 2000-05-31
20 <160> NUMBER OF SEQ ID NOS: 23
22 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

489 <210> SEQ ID NO: 17
490 <211> LENGTH: 120
491 <212> TYPE: PRT
492 <213> ORGANISM: Artificial Sequence
W--> 493 <220> FEATURE:
493 <223> OTHER INFORMATION: Description of Artificial Sequence: V-H sequence of
494 CHA255
EOK 496 <400> SEQUENCE: 17
497 Glu Val Thr Leu Val Glu Ser Gly Gly Asp Ser Val Lys Pro Gly Gly
498 1 5 10 15
500 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Ser Gly Glu
501 20 25 30
503 Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val
504 35 40 45
506 Ala Thr Thr Leu Ser Gly Gly Phe Thr Phe Tyr Ser Ala Ser Val
507 50 55 60
509 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Gln Asn Asn Leu Tyr
510 65 70 75 80
512 Leu Gln Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Phe Cys
513 85 90 95
515 Ala Ser His Arg Phe Val His Trp Gly His Gly Thr Leu Val Thr Val
516 100 105 110
518 Ser Ala Ala Lys Thr Thr Pro Pro
519 115 120
605 <210> SEQ ID NO: 21
606 <211> LENGTH: 135

) insert <220> whenever <221>, <222>
or
<223>
is shown

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Output Set: N:\CRF4\11052002\I671953.raw

607 <212> TYPE: PRT

608 <213> ORGANISM: Artificial Sequence

W--> 609 <220> FEATURE: *Insert*
609 <223> OTHER INFORMATION: Description of Artificial Sequence: V-L sequence of
610 CHA255 mutant S95C
OK 612 <400> SEQUENCE: 21
613 Ala Val Val Thr Gln Glu Ser Ala Leu Thr Thr Ser Pro Gly Glu Thr
614 1 5 10 15
616 Val Thr Leu Thr Cys Arg Ser Ser Ile Gly Ala Val Thr Thr Ser Asn
617 20 25 30
619 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Thr Gly Leu
620 35 40 45
622 Ile Gly Gly Thr Asn Asn Arg Ala Pro Gly Val Pro Ala Arg Phe Ser
623 50 55 60
625 Gly Ser Leu Ile Gly Asp Lys Ala Ala Leu Thr Ile Thr Gly Ala Gln
626 65 70 75 80
628 Thr Glu Asp Glu Ala Arg Tyr Phe Cys Ala Leu Trp Tyr Cys Asn Leu
629 85 90 95
631 Trp Val Phe Gly Gly Thr Lys Leu Thr Val Leu Ser Gln Pro Lys
632 100 105 110
634 Ser Ser Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Ser
635 115 120 125
637 Leu Gly Ile Gly Phe Pro Gly
638 130 135

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/671,953β

DATE: 11/05/2002

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Input Set : A:\-991-2.app

Output Set: N:\CRF4\11052002\I671953.raw

L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:192
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:192
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:192
L:493 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:496 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:17
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:384
L:609 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:612 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:21